

To: Beau Judge[bjudge@pgei.com]
From: Suchomel, Bruce
Sent: Thur 8/28/2014 4:05:22 PM
Subject: RE: Petroglyph Energy MAIP Concerns in Antelope Creek Field

Beau,

How many wells do you plan to add to sections 1, 12, and 36?

Do you plan to add injection wells to additional adjacent sections? If so, over what time frame?

Thanks,

Bruce Suchomel
UIC Program - Environmental Engineer/Project Manager
USEPA Region 8 (P-W-UIC)
1595 Wynkoop St.
Denver, CO 80202-1129
303-312-6001

From: Beau Judge [mailto:bjudge@pgei.com]
Sent: Monday, August 25, 2014 1:33 PM
To: Suchomel, Bruce
Cc: Ken Smith; Mike Hackney
Subject: RE: Petroglyph Energy MAIP Concerns in Antelope Creek Field

Bruce,

We will be wanting to discuss 3 main items.

-Increasing MAIP

-Comingling production from the Wasatch with the Green River in wells inside the Antelope Creek Waterflood unit

-Possibly expanding the Antelope Creek Waterflood Unit to include a few adjacent sections.

I look forward to meeting with you tomorrow.

Regards,

Beau Judge

Engineer

Petroglyph Energy

O: 208.685.7654

M: 208.841.5354

From: Suchomel, Bruce [<mailto:Suchomel.Bruce@epa.gov>]

Sent: Friday, August 22, 2014 8:16 AM

To: Beau Judge

Subject: RE: Petroglyph Energy MAIP Concerns in Antelope Creek Field

Sure, that would work, but let me know the agenda, i.e., seeking to increase MAIP, etc.

Bruce Suchomel
UIC Program - Environmental Engineer/Project Manager
USEPA Region 8 (P-W-UIC)
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From: Beau Judge [<mailto:bjudge@pgei.com>]
Sent: Thursday, August 21, 2014 1:55 PM
To: Suchomel, Bruce
Subject: RE: Petroglyph Energy MAIP Concerns in Antelope Creek Field

Bruce,

Can we do 10:15am on Tuesday 8/26?

Thanks,

Beau Judge

Engineer

Petroglyph Energy

O: 208.685.7654

M: 208.841.5354

From: Suchomel, Bruce [<mailto:Suchomel.Bruce@epa.gov>]
Sent: Tuesday, August 19, 2014 2:04 PM
To: Beau Judge
Subject: RE: Petroglyph Energy MAIP Concerns in Antelope Creek Field

Hello Beau,

Just to be clear, you would be seeking to increase the MAIP in each of these wells.

Can you meet this Thursday morning or either Tuesday or Wednesday morning next week?

Bruce Suchomel

UIC Program - Environmental Engineer/Project Manager
USEPA Region 8 (P-W-UIC)
1595 Wynkoop St.
Denver, CO 80202-1129
303-312-6001

From: Beau Judge [<mailto:bjudge@pgei.com>]
Sent: Monday, August 11, 2014 12:46 PM
To: Suchomel, Bruce
Subject: RE: Petroglyph Energy MAIP Concerns in Antelope Creek Field

Bruce,

Thank you for getting back to me. I look forward to discussing this further with you.

Thanks,

Beau Judge

Engineer

Petroglyph Energy

O: 208.685.7654

M: 208.841.5354

From: Suchomel, Bruce [<mailto:Suchomel.Bruce@epa.gov>]
Sent: Monday, August 11, 2014 12:30 PM
To: Beau Judge
Subject: RE: Petroglyph Energy MAIP Concerns in Antelope Creek Field

Hello Beau,

Yes, I recall discussing this with Paul. Your column on the right seems to have the correctly calculated MAIPs. I'm out of the office this afternoon and Tuesday, but I'll try to contact you later this week to try to set something up.

The calculation is $[FG - (0.433 \times SG)] \times (\text{Depth to top of injection interval})$

Bruce Suchomel
UIC Program - Environmental Engineer/Project Manager
USEPA Region 8 (P-W-UIC)
1595 Wynkoop St.
Denver, CO 80202-1129
303-312-6001

From: Beau Judge [<mailto:bjudge@pgei.com>]
Sent: Friday, August 08, 2014 3:09 PM
To: Suchomel, Bruce
Cc: Paul Powell; Ken Smith
Subject: Petroglyph Energy MAIP Concerns in Antelope Creek Field

Bruce,

Paul Powell met you at the Oil and Gas Expo last year in Utah. He mentioned that we had a few concerns with the waterflood Petroglyph operates in the Antelope Creek Field in Duchesne County, Utah. We would like to open a dialogue about increasing some of our MAIPs and also understanding how the calculation will be done when we submit new injection permits. We would like to schedule a face-to-face meeting at your convenience after you have had a chance to review this information. Feel free to contact me with any question and what dates may work for a meeting.

Regards,

Beau Judge

Engineer

Petroglyph Energy

O: 208.685.7654

M: 208.841.5354

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